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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/598,417	08/29/2006	Jarmo Kirvesmaki	METSO-66	4324
36528 STIENNON &	7590 11/21/200 STIENNON	EXAMINER		
612 W. MAIN ST., SUITE 201			HUG, ERIC J	
P.O. BOX 1667 MADISON, WI 53701-1667			ART UNIT	PAPER NUMBER
,			1791	
			MAIL DATE	DELIVERY MODE
			11/21/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)		
	10/598,417	KIRVESMAKI ET AL.		
Office Action Summary	Examiner	Art Unit		
	Eric Hug	1791		
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status				
Responsive to communication(s) filed on 29 Au This action is FINAL . 2b) ☑ This Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro			
Disposition of Claims				
4) Claim(s) 14-32 is/are pending in the application 4a) Of the above claim(s) is/are withdraw 5) Claim(s) 20-32 is/are allowed. 6) Claim(s) 14-19 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access	vn from consideration. relection requirement.	≣xaminer.		
Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Explanation is objected to be a property of the Explanation is o	drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). sected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 08/29/2006.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte		

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 14-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ruf et al (US 2002/0043355) in view of Gustavsson (WO 01/98582) and "Headbox Flow Sheet Comparison" by Metso Paper, further in view of Shafer (US 5,806,283).

Ruf discloses a lamella (vane) in a headbox of a paper production machine. The lamella is formed of at least one high-performance polymer. The polymer is a water-absorbing polymer. The behavior of the lamella concerning moisture is improved if the high-performance polymer has a moisture acceptance in the range of about 0.05% to about 2%. See paragraph [0017]. Thus, Ruf discloses a headbox vane comprising a water-absorbing plastic and having a desired amount of moisture during operation.

Gustavsson discloses a headbox with a vane made of plastic material. Gustavsson discloses that a plastic vane absorbs moisture from its surrounding while being stored and transported, and also absorbs moisture from the stock when in the headbox. See the paragraph from page 2, line 29 to page 3, line 7.

The Headbox Flow Sheet Comparison by Metso Paper discloses exemplary materials for a headbox vane which encompass the claimed materials. Included are materials known to absorb Art Unit: 1791

water, in some instances requiring storage under wet conditions to reach an equilibrium state prior to use.

The combined teachings of Ruf, Gustavsson, and Metso Paper indicate that headbox vanes are prone to absorbing moisture and that one must store them in a manner rendering them operable in the headbox. Neither reference teaches enclosing the vane in a vapor-proof package, desirably under vacuum. However, it is well known to store a water-absorbing material in a moisture-proof vacuum package prior to use to prevent loss of moisture or to prevent unwanted absorption of moisture. Shafer teaches vacuum packaging of plastic materials, particularly in a storage bag with gas and moisture barrier layers. This is suitable for plastics prone to absorption of moisture. See column 5, line 51 to column 6, line 21. It would have been obvious to one skilled in the art to store a headbox vane as disclosed by Ruf or Gustavsson in a vacuum package with a gas and moisture barrier to maintain the vane at a desired level of moisture or to prevent unwanted absorption of moisture during storage or transport prior to use in the headbox.

It is noted that the term "selected" in the claims does not impart any distinction to the claimed vane assembly. Whether the moisture content of the vane is selected or not selected, the vane has a particular moisture content when stored.

Allowable Subject Matter

Claims 20-32 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

The prior art does not disclose or suggest a method for ensuring the straightness of a vane for a headbox of a paper machine having at least the steps of moistening the vane to a selected moisture content, followed by enclosing the moistened vane in a vapor-proof package. The prior art teaches that headbox vane materials can absorb moisture requiring storage or enclosure of the vane before use, but the prior art does not teach moistening the vane to a selected moisture content prior to storage or enclosure.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Bonander (US 6,521,095) discloses exemplary materials for a headbox vane (col. 1).

Erikson et al (US 2003/0131964) also discloses a headbox vane made of a moisture-absorbing plastic material, and teaches that when exposed to stock, the vane becomes saturated with water and swells for a period of time will extending from the moment when the flow of stock starts through the headbox up to the moment when the swelling of the vane is complete. See paragraphs [0049]-[0050].

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Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Eric Hug whose telephone number is (571) 272-1192. If

attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven

Griffin can be reached on 571 272-1189. The fax phone number for the organization where this

application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

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/Eric Hug/

Primary Examiner, Art Unit 1791